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PTO/SB/05 (11-00)

Approved for use through 10/31/2002. OMB 0651-0032
U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

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UTILITY PATENT APPLICATION TRANSMITTAL	Attorney Docket No. 8947-000059/US First Inventor JAE-YOON SIM Title MEMORY DEVICE HAVING BITLINE EQUALIZING VOLTAGE GENERATOR WITH CHARGE REUSE Express Mail Label No.
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(Only for new nonprovisional applications under 37 C.F.R. 1.53(b))

<p style="text-align: center;">APPLICATION ELEMENTS</p> <p>See MPEP chapter 600 concerning utility patent application contents.</p> <p>1. <input checked="" type="checkbox"/> Fee Transmittal Form (e.g., PTO/SB/17) <i>(Submit an original and a duplicate for fee processing)</i></p> <p>2. <input type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27.</p> <p>3. <input checked="" type="checkbox"/> Specification [Total Pages 33] <i>(preferred arrangement set forth below)</i></p> <ul style="list-style-type: none"> - Descriptive title of the invention - Cross References to Related Applications - Statement Regarding Fed sponsored R & D - Reference to sequence listing, a table, or a computer program listing appendix - Background of the invention - Brief Summary of the Invention - Brief Description of the Drawings (if filed) - Detailed Description - Claim(s) - Abstract of the Disclosure <p>4. <input checked="" type="checkbox"/> Drawing(s) (35 U.S.C. 113) [Total Sheets 11]</p> <p>5. Oath or Declaration [Total Pages 3]</p> <p style="margin-left: 20px;">a. <input checked="" type="checkbox"/> Newly executed (original)</p> <p style="margin-left: 20px;">b. <input type="checkbox"/> Copy from a prior application (37 CFR 1.63 (d)) <i>(for a continuation/divisional with Box 18 completed)</i></p> <p style="margin-left: 20px;">c. <input type="checkbox"/> DELETION OF INVENTOR(S) <i>Signed statement attached deleting inventor(s) named in the prior application, see 37 CFR 1.63(d)(2) and 1.33(b).</i></p> <p>6. <input type="checkbox"/> Application Data Sheet. See 37 CFR 1.76</p>	<p>ADDRESS TO:</p> <p style="text-align: center;">Commissioner for Patents Box Patent Application P.O. Box 1450 Alexandria, VA 22313-1450</p> <p>7. <input type="checkbox"/> CD-ROM or CD-R in duplicate, large table or Computer Program <i>(Appendix)</i></p> <p>8. Nucleotide and/or Amino Acid Sequence Submission <i>(if applicable, all necessary)</i></p> <p style="margin-left: 20px;">a. <input type="checkbox"/> Computer Readable Form (CRF)</p> <p style="margin-left: 20px;">b. Specification Sequence Listing on:</p> <p style="margin-left: 40px;">i. <input type="checkbox"/> CD-ROM or CD-R (2 copies); or</p> <p style="margin-left: 40px;">ii. <input type="checkbox"/> paper</p> <p style="margin-left: 20px;">c. <input type="checkbox"/> Statements verifying identity of above copies</p> <p style="text-align: center;">ACCOMPANYING APPLICATIONS PARTS</p> <p>9. <input checked="" type="checkbox"/> Assignment Papers (cover sheet & document(s))</p> <p>10. <input type="checkbox"/> 37 C.F.R. §3.73(b) Statement <input type="checkbox"/> Power of Attorney <i>(when there is an assignee)</i></p> <p>11. <input type="checkbox"/> English Translation Document <i>(if applicable)</i></p> <p>12. <input type="checkbox"/> Information Disclosure Statement (IDS)/PTO-1449 <input type="checkbox"/> Copies of IDS Citations</p> <p>13. <input type="checkbox"/> Preliminary Amendment</p> <p>14. <input checked="" type="checkbox"/> Return Receipt Postcard (MPEP 503) <i>(Should be specifically itemized)</i></p> <p>15. <input checked="" type="checkbox"/> Certified Copy of Priority Document(s) <i>(if foreign priority is claimed)</i></p> <p>16. <input type="checkbox"/> Request and Certification under 35 U.S.C. 122 (b)(2)(B)(i). Applicant must attach form PTO/SB/35 or its equivalent.</p> <p>17. <input type="checkbox"/> Other: _____</p>
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18. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in a preliminary amendment, or in an Application Data Sheet under 37 CFR 1.76:

☐ Continuation ☐ Divisional ☐ Continuation-in-part (CIP) of prior application No: _____ / _____

Prior application information: Examiner _____ Group / Art Unit: _____

For CONTINUATION or DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.

17. CORRESPONDENCE ADDRESS					
<input checked="" type="checkbox"/> Customer Number or Bar Code Label		<div style="font-size: 24pt; font-weight: bold;">30593</div> <div style="font-size: 8pt;">30593</div> <div style="font-size: 8pt;">(Insert Customer No. or Attach bar code label here)</div>		or <input type="checkbox"/> Correspondence address below	
Name	Harness, Dickey & Pierce, P.L.C.				
Address	P.O. Box 8910				
City	Reston	State	VA	Zip Code	20195
Country	United States of America	Telephone	703-668-8000	Fax	703-668-8200

Name (Print/Type)	John A. Castellano	Registration No. (Attorney/Agent)	35,094
Signature		Date	August 7, 2003

Burden Hour Statement: This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Box Patent Application, Washington, DC 20231.

22341 U.S. PTO

10/63542

08/07/03

08/07/03



16179 U.S. PTO

FEE TRANSMITTAL for FY 2003

Patent fees are subject to annual revision.

Complete if Known

Application Number NEW
Filing Date August 7, 2003
Inventor(s) JAE-YOON SIM
Examiner Name Unknown
Group / Art Unit Unknown
Attorney Docket No. 8947-000059/US

TOTAL AMOUNT OF PAYMENT (\$) 790.00

METHOD OF PAYMENT (check one)

1. ☒ The Commissioner is hereby authorized to charge indicated fees and credit any over payments to:
- Deposit Account Number 08-0750
- Deposit Account Name Harness, Dickey & Pierce, P.L.C.
- ☒ charge Any Additional Fee Required Under 37 CFR 1.16 and 1.17
- ☐ Applicant claims small entity status. See 37 CFR 1.27

2. ☒ Payment Enclosed:
- ☒ Check ☐ Credit card ☐ Money Order ☐ Other

FEE CALCULATION

1. BASIC FILING FEE

Large Fee Code (\$)	Entity	Small Fee Code (\$)	Entity	Fee Description	Fee Paid
101	750	201	375	Utility filing fee	750.00
106	330	206	165	Design filing fee	
107	520	207	260	Plant filing fee	
108	750	208	375	Reissue filing fee	
114	160	214	80	Provisional filing fee	

SUBTOTAL (1) (\$) 750

2. EXTRA CLAIM FEES

Total Claims	Independent Claims	Multiple Dependent	Extra Claims	Fee from below	Fee Paid
10	-20 **		0	X	
3	-3 **		0	X	
				X	

Large Fee Code (\$)	Entity	Small Fee Code (\$)	Entity	Fee Description
103	18	203	9	Claims in excess of 20
102	84	202	42	Independent claims in excess of 3
104	280	204	140	Multiple dependent claim, if not paid
109	84	209	42	** Reissue independent claims over original patent
110	18	210	9	** Reissue claims in excess of 20 and over original patent

SUBTOTAL (2) (\$) 0.00

**or number previously paid, if greater; For Reissues, see above

FEE CALCULATION (continued)

Large Fee Code (\$)	Entity	Small Fee Code (\$)	Entity	Fee Description	Fee Paid
105	130	205	65	Surcharge - late filing fee or oath	
127	50	227	25	Surcharge - late provisional filing fee or cover sheet	
139	130	139	130	Non-English specification	
147	2,520	147	2,520	For filing a request for reexamination	
112	920*	112	920*	Requesting publication of SIR prior to Examiner action	
113	1,840*	113	1,840*	Requesting publication of SIR after Examiner action	
115	110	215	55	Extension for reply within first month	
116	410	216	205	Extension for reply within second month	
117	930	217	465	Extension for reply within third month	
118	1,450	218	725	Extension for reply within fourth month	
128	1,970	228	985	Extension for reply within fifth month	
119	320	219	160	Notice of Appeal	
120	320	220	160	Filing a brief in support of an appeal	
121	280	221	140	Request for oral hearing	
138	1,510	138	1,510	Petition to institute a public use proceeding	
140	110	240	55	Petition to revive - unavoidable	
141	1,300	241	650	Petition to revive - unintentional	
142	1300	242	650	Utility issue fee (or reissue)	
143	470	243	235	Design issue fee	
144	630	244	315	Plant issue fee	
122	130	122	130	Petitions to the Commissioner	
123	50	123	50	Processing fee under 37 CFR 1.17 (c)	
126	180	126	180	Submission of Information Disclosure Sheet	
581	40	581	40	Recording each patent assignment per property (times number of properties)	40.00
146	750	246	375	Filing a submission after final rejection (37 CFR § 1.129(a))	
149	750	249	375	For each additional invention to be examined (37 CFR § 1.129(b))	
179	750	279	375	Request for Continued Examination (RCE)	
169	900	169	900	Request for expedited examination of a design application	

Other fee (specify) _____

*Reduced by Basic Filing Fee Paid

SUBTOTAL (3) (\$) 40.00

SUBMITTED BY

Complete if applicable

Name (Print/Type) John A. Castellano Registration No. Attorney/Agent 35,094 Telephone 703-668-8000
Signature Date August 7, 2003

WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.

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DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Parents, Washington, DC 20231.

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Application No.:	NEW	Group Art Unit:	Unknown
Filing Date:	August 7, 2003	Examiner:	Unknown
Applicants:	JAE-YOON SIM	Conf. No.:	Unknown
Title:	MEMORY DEVICE HAVING BITLINE EQUALIZING VOLTAGE GENERATOR WITH CHARGE REUSE		

PRIORITY LETTER

August 7, 2003

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Dear Sirs:

Pursuant to the provisions of 35 U.S.C. 119, enclosed is/are a certified copy of the following priority document(s).

Application No.

2002-57031

Date Filed

9/18/2002

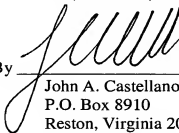
Country

Korea

In support of Applicant's priority claim, please enter this document into the file.

Respectfully submitted,

HARNESS, DICKEY, & PIERCE, P.L.C.

By 

John A. Castellano, Reg. No. 35,094
P.O. Box 8910
Reston, Virginia 20195
(703) 668-8000

JAC/cah